



CableData® Collector

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Online cable testing system identifies and reports Partial Discharge (PD) activity in LIVE HV CABLES.

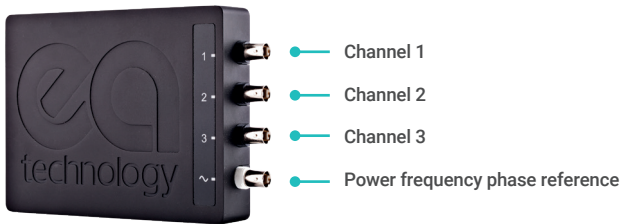
Product code: CDC2

www.eatechnology.com

System Components

The CableData® Collector is supplied as a ready-to-use system, in its own carry case.

The CableData® Collector is machined from aluminium then anodised, making it lightweight and tough. It is conveniently powered via its USB port from a laptop or PC.



Channel 1, 2 and 3 are user configurable for phase

The CableData® Collector kit includes:

- 1 x CDC
- 1 x Protective Case and Foam Insert
- 1 x Data And Power USB Cable
- 1 x Phase Reference Transformer Mains Cable
- 1 x Phase Reference Transformer
- 4 x 5M BNC Cables
- 1 x Software USB Stick
- 1 x User Manual
- 3 x RFCT



Benefits

- Identifies cable defects before they fail
- Does not require a cable outage
- Quick, safe and non-destructive
- Expert cable condition analysis & reports

Features

- Detects and measures PD activity in single and three phase cables
- Works with most insulated cable types up to distances of several kilometres
- Small, robust, portable and easy to use

#FACT 1

PARTIAL DISCHARGE (PD) ACTIVITY IS THE PRIMARY CAUSE OF FAILURE IN CABLES

#FACT 2

OFFLINE PD TESTING REQUIRES CABLE OUTAGES AND CAN BE DISRUPTIVE

#FACT 3

THE CABLEDATA® COLLECTOR WORKS ONLINE AND CAN DETECT AND MEASURE PD ACTIVITY

CableData® Collector Hardware



Plug in



Clip on

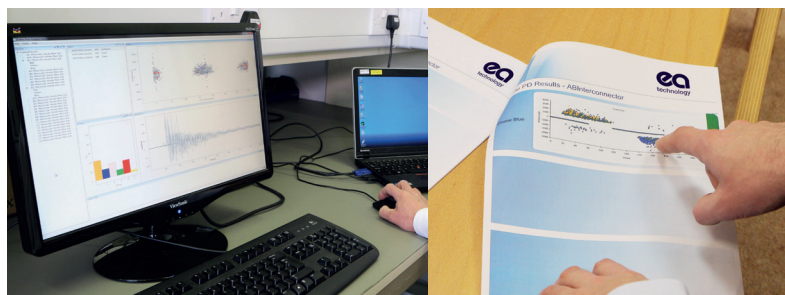


Test for PD

The CableData® Collector detects and quantifies PD activity in live HV cables by measuring radio frequency currents, which are produced when discharges occur.

Simply clip the Radio Frequency Current Transformers (RFCTs) around the Cable Earth (Ground) Straps and plug them into the CableData® Collector. Measurements of any PD activity are recorded on a PC or laptop, via a USB cable.

CableData® Collector Analysis Software



Recorded data on PD activity is interpreted with CableData® Collector analysis software.

The results are output as reports showing:

- The severity of PD activity
- Evidence on which to assess the risks of failure
- Intelligence for decisions on remedial action or replacement

System Components

USER OPTIONS	CABLEDATA COLLECTOR HARDWARE	CABLEDATA COLLECTOR ANALYSIS SOFTWARE
Purchase Pack 1	Buy*	Buy*
Purchase Pack 2	Buy*	Expert analysis and reports by EA Technology -pay per use
Hire	Pay per hire period*	Expert analysis and reports by EA Technology -pay per use
Site Service	Pay per cables tested	Expert analysis and reports by EA Technology -pay per use

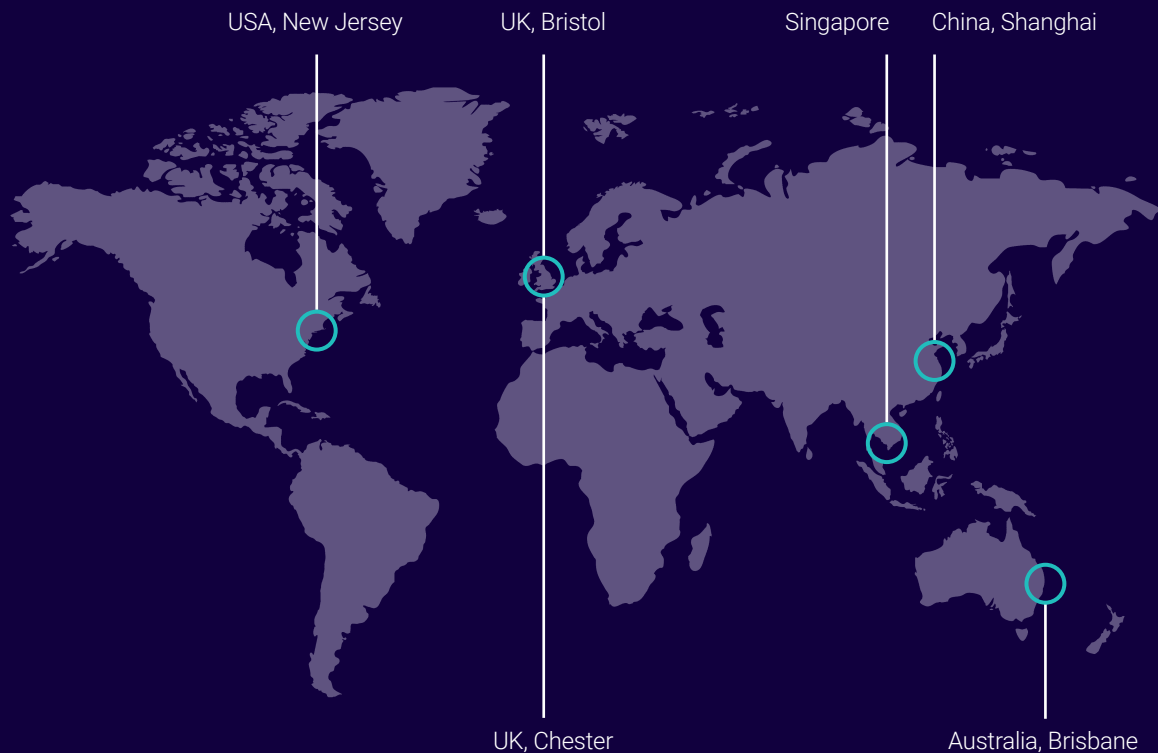
*Includes training and support

Technical Specification

HARDWARE	
Enclosure	Machined Anodised Aluminium
Indicators	Phase Reference Status LED, Waveform Capture LED, Events LED
Connectors	1 x Mini USB, 1 x Ethernet (inactive)
ENVIRONMENTAL	
Operating Temperature	0 to 60°C (32°F to 140°F)
Humidity	0 – 90% RH non-condensing
IP Rating	31
DIMENSIONS	
Size	28 x 120 x 176mm (1.1x4.7x6.9in)
Weight	0.45kg
POWER SUPPLIES	
Power Source	Power Supplied by USB port
CABLE PD MEASUREMENTS	
Measurement Type	Single Phase or Three Phase
Sensor	3 x RFCT
Capture Window	153µs, 76µs, 38µs
Cable Length	Cable Construction Dependent
Resolution	Range Dependent (14pC, 28pC, 56pC, 112pC)
Measurement Range	Range Dependent (100pC to 200, 000pC)
Gain Range	4 (Auto Ranging)
Power Frequency	
Phase Reference	Automatically picked up from RFCT or supplied phase reference transformer

Global Footprint

At EA Technology we specialise in asset management solutions for owners and operators of power network assets.



Founded in 1966 we have over 50 years' experience in the industry and 6 regional offices around the world to support our global customer base.

We work with a lot of our clients on a long-term basis to help them safeguard their power networks.

We advise our clients on strategy and implementation of a range of technology solutions to manage power assets, delivering maximum life and minimise cost.



Safer, Stronger, Smarter Networks

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